

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>099 26568</u>	Prepared by <u>ewc</u>	Tracking Number <u>05864120</u>	
Examiner-GAU <u>TRUONG</u>	Date <u>12/22/03</u>	Week Date <u>11-24-03</u>	
<u>1711</u>	No. of queries <u>- 2 -</u>	<u>IFW</u>	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
<u>c. Continuing Data</u>	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE	
	<p>1) Please state relationship (con, cip or div) of U.S. appln. 09/314, 116 to case-in-hand.</p> <p>2) Cover sheet of priority document 299 08 768, 9 is in file but not listed on bib sheet, oath or ADS. Please advise</p> <p>Thank you</p> <p>ewc</p>	
a. Page Missing		
b. Text Continuity		
c. Holes through Data		
d. Other Missing Text		
e. Illegible Text		
f. Duplicate Text		
g. Brief Description		
h. Sequence Listing		
i. Appendix		
j. Amendments		
k. Other		
CLAIMS		
a. Claim(s) Missing		
b. Improper Dependency		
c. Duplicate Numbers		
d. Incorrect Numbering	initials	
e. Index Disagrees		
f. Punctuation		
g. Amendments		
h. Bracketing		
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k. Other		
RESPONSE		
<p>1) Corrected</p> <p>2) This priority document does not belongs to this application.</p>		
initials 		



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Bib Data Sheet

CONFIRMATION NO. 8679

SERIAL NUMBER 09/926,568	FILING DATE 11/19/2001 RULE	CLASS 525	GROUP ART UNIT 1712	ATTORNEY DOCKET NO. 215850US0PCT
APPLICANTS Bernhard Mohr, Heidelberg, GERMANY; Dieter Boeckh, Limburgerhof, GERMANY; Oliver Borzyk, Speyer, GERMANY;				
** CONTINUING DATA THIS APPLICATION IS A 371 OF PCT/EP00/04293 05/12/2000 <i>which is filed under 365(c) of 09/314,116 filed 05/19/1999</i>				
** FOREIGN APPLICATIONS <i>DT 4/27/04</i>				
Foreign Priority claimed 35 USC 119 (a-d) conditions met	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Not after Allowance	STATE OR COUNTRY GERMANY	SHEETS DRAWING	TOTAL CLAIMS 20
Verified and Acknowledged Examiner's Signature	Initials	INDEPENDENT CLAIMS 2		
ADDRESS 22850				
TITLE Polymers that contain alcoxylated, condensed alkaline amino acids and method of producing said polymers				
FILING FEE RECEIVED 890	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other <input type="checkbox"/> Credit	

Alkoxylated, condensed basic amino acid-containing polymers and their production

This application is a 371 of PCT/EP/04293 filed 05/12/2000
5 Technical Field and is filed under 365(c) of 09/314,116 filed 05/19/1999

4/27/04

The present invention relates to alkoxylated, condensed basic amino acid-containing polymers and a process for their production.

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Background of the invention

Ethoxylated polyamines, especially polyethylenimines and processes for their production are known, cf. U.S. Patent 15 3,313,736, U.S. Patent 4,891,160, U.S. Patent 4,551,506 and WO-A-97/23546. The ethoxylated polyamines are for example used in cleaning compositions.

DE-A-2 227 546 relates to the use of alkoxylated 20 polyalkyleneimines for the dehydration of crude oils. The alkoxylated polyalkyleneimines are prepared by a two-stage process in which, in the first stage, one mole of an alkylene oxide, based on one mole of NH groups in the polyethylenimine, is reacted with a polyalkylenepolyamine in the presence of water 25 with formation of hydroxyalkyl groups. In the second process stage water is initially removed from the reaction mixture, an alkaline catalyst added, alkylene oxide forced in and the reaction carried out under pressure at temperatures between 125° and 135°C. From 10 to 300 alkylene oxide units are added per NH 30 group. Alternatively, the alkoxylation can be carried out in a single stage, by forcing in alkylene oxide in the presence of aqueous or anhydrous alkaline catalysts and causing it to react under pressure with polyethylenimines at temperatures between 125 and 135°C.

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EP-A-0,112,593 relates to detergent formulations containing ethoxylated amines. In this case the preparation of the alkoxylated amines likewise takes place in two stages, a hydroxyethylated polyethylenimine being produced in the first 40 stage by the action of ethylene oxide and the necessary amount of ethylene oxide being added in the second stage by further addition of ethylene oxide at temperatures ranging from 130 to 140°C under super-atmospheric pressure. The degree of ethoxylation is for example from 15 to 42.

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